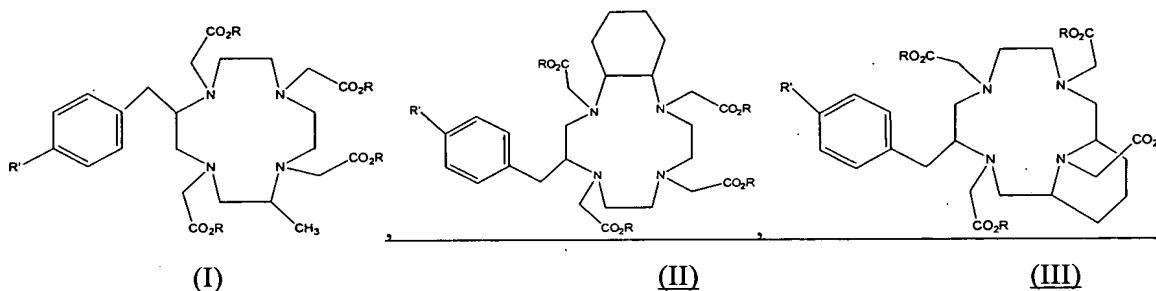


CLAIM AMENDMENTS

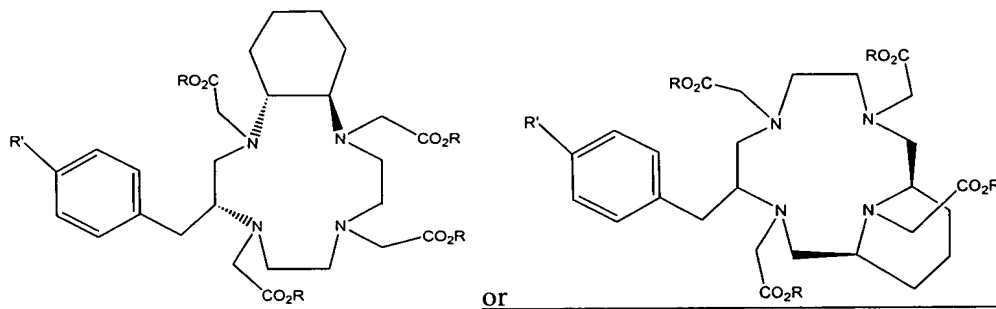
1. (Currently Amended) A compound of the formula (I), (II), or (III)



wherein R is hydrogen or alkyl and R' is selected from the group consisting of hydrogen, halo, alkyl, hydroxy, nitro, amino, alkylamino, thiocyno, isothiocyno, carboxyl, carboxyalkyl, carboxyalkyloxy, amido, alkylamido and haloalkylamido.

2. (Canceled)

3. (Currently Amended) The compound of claim 2 1 of the formula



4. (Canceled)

5. (Canceled)

6. (Original) A complex comprising the compound of claim 1 and a metal ion, wherein the metal ion is optionally radioactive.

7. (Canceled)

8. (Original) A complex comprising the compound of claim 3 and a metal ion, wherein the metal ion is optionally radioactive.

9. (Canceled)

10. (Canceled)

11. (Currently Amended) The complex of ~~any of claims 6-10~~ claim 6, wherein the metal ion is selected from the group consisting of Bi, Pb, Y, Mn, Cr, Fe, Co, Ni, Tc, In, Ga, Cu, Re, Sm, a lanthanide, and an actinide.

12. (Original) The complex of claim 11, wherein the lanthanide is Gd(III).

13. (Currently Amended) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and ~~the a~~ a compound of ~~any of claims 1-5~~ claim 1.

14. (Currently Amended) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and ~~the a~~ a complex of ~~any of claims 6-10~~ claim 6.

15. (Currently Amended) A method for diagnostic imaging of a host, which method comprises:

(i) administering to the host ~~the a~~ a complex of ~~any of claims 6-10~~ claim 6 in an amount effective to provide an image; and

(ii) exposing the host to an energy source, whereupon a diagnostic image of the host is obtained.

16. (Currently Amended) A method for magnetic resonance imaging of a host, which method comprises:

(i) administering to the host ~~the a~~ a complex of ~~any of claims 6-10~~ claim 6, in which the metal ion is paramagnetic, in an amount effective to provide an image; and

(ii) exposing the host to a magnet, whereupon a magnetic resonance image of the host is obtained.

17. (Original) The method of claim 16, wherein the complex comprises Gd.

18. (Currently Amended) A method for x-ray imaging of a host, which method comprises:

- (i) administering to the host ~~the a~~ complex of ~~any of claims 6-10~~ claim 6, in which the metal ion is radio-opaque, in an amount effective to provide an image; and
- (ii) exposing the host to x-rays, whereupon an x-ray contrast image of the host is obtained.

19. (Original) The method of claim 18, wherein the complex comprises  $^{213}\text{Bi}$ ,  $^{212}\text{Bi}$ ,  $^{212}\text{Pb}$ ,  $^{225}\text{Ac}$ ,  $^{177}\text{Lu}$ ,  $^{99\text{m}}\text{Tc}$ ,  $^{111}\text{In}$ ,  $^{11}\text{C}$ ,  $^{13}\text{N}$ ,  $^{123}\text{I}$ ,  $^{186}\text{Re}$ ,  $^{18}\text{F}$ ,  $^{15}\text{O}$ ,  $^{201}\text{Tl}$ ,  $^3\text{He}$ ,  $^{166}\text{Ho}$  or  $^{67}\text{Ga}$ .

20. (Currently Amended) A method for single photon emission computed spectroscopy (SPECT) imaging, which method comprises:

- (i) administering to the host ~~the a~~ complex of ~~any of claims 6-10~~ claim 6, in which the metal ion emits a single photon, in an amount effective to provide an image; and
- (ii) exposing the host to an energy source, whereupon a SPECT image of the host is obtained.

21. (Original) The method of claim 20, wherein the complex comprises  $^{213}\text{Bi}$ ,  $^{212}\text{Bi}$ ,  $^{212}\text{Pb}$ ,  $^{225}\text{Ac}$ ,  $^{177}\text{Lu}$ ,  $^{99\text{m}}\text{Tc}$ ,  $^{111}\text{In}$ ,  $^{11}\text{C}$ ,  $^{13}\text{N}$ ,  $^{123}\text{I}$ ,  $^{186}\text{Re}$ ,  $^{18}\text{F}$ ,  $^{15}\text{O}$ ,  $^{201}\text{Tl}$ ,  $^3\text{He}$ ,  $^{166}\text{Ho}$  or  $^{67}\text{Ga}$ .

22. (Currently Amended) A method for treating a cellular disorder in a mammal, which method comprises comprising administering to the mammal ~~the a~~ complex of ~~any of~~ claims 6-10 claim 6 in an amount effective to treat the cellular disorder, whereupon the cellular disorder in the mammal is treated.

23. (Original) The method of claim 22, wherein the complex comprises  $^{90}\text{Y}$ ,  $^{213}\text{Bi}$ ,  $^{212}\text{Bi}$ ,  $^{212}\text{Pb}$  or  $^{225}\text{Ac}$ .

24. (Original) The method of claim 22, wherein the cellular disorder is cancer.

25. (Original) The method of claim 24, wherein the complex comprises  $^{90}\text{Y}$ ,  $^{213}\text{Bi}$ ,  $^{212}\text{Bi}$ ,  $^{212}\text{Pb}$  or  $^{225}\text{Ac}$ .

26. (Currently Amended) A conjugate comprising ~~the a~~ complex of ~~any of claims 6-10~~ claim 6 and a biomolecule.

27. (Original) The conjugate of claim 26, wherein the biomolecule is selected from the group consisting of a hormone, an amino acid, a peptide, a peptidomimetic, a protein, deoxyribonucleic acid (DNA), ribonucleic acid (RNA), a lipid, an albumin, a polyclonal antibody, a receptor molecule, a receptor binding molecule, a hapten, a monoclonal antibody and an aptamer.

28. (New) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of claim 3.

29. (New) A method for magnetic resonance imaging of a host, which method comprises:

- (i) administering to the host a complex of claim 8, in which the metal ion is paramagnetic, in an amount effective to provide an image; and
- (ii) exposing the host to a magnet, whereupon a magnetic resonance image of the host is obtained.

30. (New) A method for x-ray imaging of a host, which method comprises:

- (i) administering to the host a complex of claim 8, in which the metal ion is radio-opaque, in an amount effective to provide an image; and
- (ii) exposing the host to x-rays, whereupon an x-ray contrast image of the host is obtained.

31. (New) A method for single photon emission computed spectroscopy (SPECT) imaging, which method comprises:

- (i) administering to the host a complex of claim 8, in which the metal ion emits a single photon, in an amount effective to provide an image; and
- (ii) exposing the host to an energy source, whereupon a SPECT image of the host is obtained.

32. (New) A method for treating a cellular disorder in a mammal, which method comprises administering to the mammal a complex of claim 8 in an amount effective to treat the cellular disorder, whereupon the cellular disorder in the mammal is treated.

33. (New) A conjugate comprising a complex of claim 8 and a biomolecule.